

# Spill Report Record

## GENERAL INFORMATION

Date/Time Spill Reported:: 5/1/2011 / 4:00 PM  
Date/Time Spill Occurred: 5/1/2011 / 4:00 PM  
Person Reporting Spill: Robert Bowen  
Phone # of Person Reporting: 912-554-7490  
Address of Person Reporting: Glynn Co Dept. of Engineering Services 700 Gloucester St. Suite 202 Brunswick GA 31520  
Responsible Authority: Glynn County Engineering  
Responsible Authority Phone #: 912-554-7490  
Contact Person: Robert Bowen  
Location of Spill: Alabama and Forest Park Road, St. Simons Island

FACILITY: St. Simons Island WPCP PERMIT #: GA0021521  
Facility/Address JWSC 700 Gloucester Street Brunswick GA 31520  
CITY: St. Simons Island COUNTY: GL YNN Facility ZIP 31522- Responsible Specialist: REYNOLDS

Duration of Spill: 45 minutes Spill Ongoing: NO Spill Entered Waterway: YES

Est Quant Spilled: 100

Waterway Impacted: None RIVER BASIN: Satilla

Specialist Receiving Call: REYNOLDS

## TYPE OF SPILL

Outfall Spill:	NO	BOD:	NA	TSS:	NA
Major/Min:	Minor				

If POTW and raw sewage enters Waterway, see "MINOR SPILL" procedures below. (Water Quality Control Rules 391-3-6)  
If POTW and raw sewage > 10,000 gallons enters waterway, OR results in WQ violations, see "MAJOR SPILL" below  
If POTW and discharge exceeds the weekly avg. BOD or TSS by 50%, see "MAJOR SPILL" below

### MINOR SPILL:

- Immediate – POTW notify public health depts.
- Immediate - POTW post notices at entry and along waterway
- Within 24 hrs – POTW Notify media
- Within 5 days – Written report to EPD

### MAJOR SPILL: All requirements for "SPILL" plus

- Immediate – POTW initiate monitoring
- Within 24 hrs – POTW and EPD notify all downstream WS (20 miles)
- Within 7 days - POTW publish notice in legal organ

Spill Report Record

NOTIFICATIONS & POSTINGS

Spill Posted?: YES	Media Contacted: YES
Dead Fish Reported?: NO	Appropriate Fisheries Office Notified: NA
Site Inspection by EPD: NO	Date of Inspection:
DW Program Notified: NA	Major Spill Sampling Underway: NA
Public Notice Underway: NA	Emergency Response Notified: NA
IF SPILL REACHES STATE WATERS IN BRYAN, CHATHAM, OR LIBERTY COUNTY, IMMEDIATELY NOTIFY CRD ( ELIZABETH CHENEY BY EMAIL OR AT 912-262-3057)	
IF SPILL REACHES STATE WATERS IN BRYAN OR LIBERTY COUNTY, ALSO IMMEDIATELY NOTIFY THE COASTAL HEALTH DISTRICT, SAROYI MORRIS AT SCMORRIS@GDPH.STATE.GA.US OR BY PHONE AT 912-262-3032	
CRD Notified?: N/A	Date CRD Notified:
DPH Notified?: YES	Date DPH Notified: 5/2/2011

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CAUSE, CORRECTIVE ACTIONS & COMMENTS

Cause of Spill:

The main breaker of LS 2019 was tripped, allowing the wet well and sewer collection lines to surcharge. Sewage (estimated 100 gallons) overran into the drainage canal at the streets. After operating the breakers, the pump still was not functioning. The LS pump had failed.

Corrective Actions:

A spare pump from LS 2022 was removed, transferred to LS 2019, installed it, and sewage was transferred from the wet well. Standing sewage was covered with dirt, soaked and lime. To prevent future incidents, as the LS 2019 is under rehabilitation, the contractor has installed an OmniSite cellular SCADA system to monitor any pump failures.

Reasonable and necessary steps taken to prevent injury:

The spill area was posted, and the area lined to clean any odors from the standing sewage, which dried up with the dirt addition.

Additional Comments:

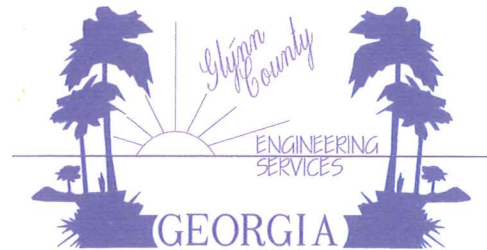
# Spill Report Record

## MAJOR SPILL SAMPLE RESULTS

Date of 1st Week Sample:		1st Week Comments:	
Geo Mean 1st Week Upstream Results:			
Geo Mean 1st Week Downstream Results:			
Date of 1st Month Sample:		1st Month Comments:	
Geo Mean 1st Month Upstream Results:			
Geo Mean 1st Month Downstream Results:			
Date of 3rd Month Sample:		3rd Month Comments:	
Geo Mean 3rd Month Upstream Results:			
Geo Mean 3rd Month Downstream Results:			
Date of 12th Month Sample:		12th Month Comments:	
Geo Mean 12th Month Upstream Results:			
12th Month Geo Mean Downstream Results:			

# GLYNN COUNTY DEPARTMENT OF ENGINEERING SERVICES

700 GLOUCESTER STREET, SUITE 202  
BRUNSWICK, GEORGIA 31520  
PHONE (912) 554-7490 - Fax (912) 267-7818



May 6, 2011

Mr. Gary Reynolds,  
701 G Street  
Brunswick, GA 31520

Re: Minor Sewer Spill Notification

The Glynn County Department of Engineering Services has announced that on Sunday, May 1, 2011, a minor sewer spill of approximately 100 gallons into a storm drain occurred near the intersection of Alabama and Forest Park Roads on St. Simons Island, GA. This incident was caused by mechanical failure at sewer lift station LS 2019. Glynn County is using SPLOST funds to rehabilitate six sewage lift stations. Once a lift station rehabilitation is started, that lift station becomes the service responsibility of the contractor, Popco Inc. LS 2019 Clean up action occurred according to Georgia Environmental Protection Department standards. New pumps and a SCADA system are being installed to prevent future incidents. This event does not pose a health issue to citizens of Glynn County.

## Investigation time line:

Sunday, May 1, 2011 at 4 PM, a local resident reported at that sewage was backing out of a manhole.

At 4:45 PM United Water (UW) called Popco Inc. and were not able to get a prompt response. In order to properly respond to and reduce the amount of the spill, UW responded to the incident and saw the sewage backed up in the fiberglass manhole at LS 2019. The UW personnel found the main breaker to the station was tripped and that the wet well and collection lines were surcharged. Sewage was backing into the street from a manhole at Alabama and Forest Park. They operated the breakers and the pump was still not functional. They removed the pump and determined that the motor had failed.



5/2/11 - 11:25AM

At 5:30 PM, United Water's Charlie Beasley went to LS 2022 removed a spare pump transported it to LS 2019, installed it onto the force main pipe and started the pump. The pump operated and started pumping down the wet well.

At 10:00 PM, Popco Inc. personnel arrived and following spill response protocol covered standing water with dirt, and spread lime powder on the affected areas. The spilled liquid quickly soaked into soil due to extremely dry conditions.

On Monday, May 2, 2011 at 9:00 AM Robert Bowen, Glynn Engineering Services, arrived at UW offices and discussed the incident and how to properly respond.

At 9:47 AM, Robert Bowen called Gary Reynolds, Georgia Environmental Protection Division (EPD) to report the incident. Mr. Reynolds was not available, so the incident report was left on his voice mail.

At 10:53 AM, Gary Reynolds called Robert Bowen. Mr. Bowen explained the incident and Mr. Reynolds defined the incident as a minor spill, due to sewage entering the storm drain.



5/2/11 – 11:27AM

At 5:03 PM, Bill Jenkins, Director of Glynn County Public Health Department, was informed via email of the spill according to Ga EPD "Spill Reporting Flowchart" guidelines.

After receiving this communication, the Georgia EPD's requirements for minor spill reporting were followed. On Tuesday, May 3, 2011 10:51 AM, Candice Temple, Glynn County Public Information Officer, sent out a media alert to all local media according to guidelines of the Ga EPD "Spill Reporting Flowchart". Warning signs were posted according to guidelines.



Posted Warning Sign

The local media was notified within 24 hours of spill classification from the Ga EPD. Glynn County is not aware that the spill was actually reported by the media.

#### **Root Cause:**

Lift Station 2019 is under rehabilitation, for Glynn County, by Popham Mechanical. This station was operating using the existing pump powered by a temporary electrical service panel.

The breaker tripped due to complete motor failure and the SCADA monitoring system did not activate or alarm.

**Corrective Actions / Lessons Learned:**

Consultation with UW has determined that during rehabilitation, the contractor should maintain complete control of equipment and service. The contractor will install by-pass operation pumps and install his own SCADA system, to allow for 24/7 monitoring of the system while it undergoing rehabilitation.

Popco Inc. has purchased and installed an OmniSite cellular SCADA system that will call a contractor call list and Robert Bowen in case of pump failure. This system is currently active. Popco Inc. will maintain a service truck and personnel in the area to provide immediate response to any lift station issues during all hours. Glynn County will include this full time monitoring on all future sewer rehabilitation projects.

Respectfully,

A handwritten signature in blue ink that reads "Robert Bowen". The signature is fluid and cursive, with the first name "Robert" and last name "Bowen" clearly distinguishable.

Robert Bowen, P. E.  
Engineer III  
Glynn County Engineering Services

EC: Paul Andrews, Glynn County Interim County Engineer  
Keith Morgan, Executive Director BGJWSC  
John Hunkele, Engineering Consultant, BGJWSC  
Gerald Brannon, Area Manager, United Water  
Todd Zeno, Project Manager, United Water  
Chris Bray, GC Compliance Coordinator, United Water  
Seth Box, GC Maintenance Coordinator, United Water  
Bill Jenkins, Environmental Health Manager, Glynn County Environmental Health Department  
Jeff Lewis, President, Popham Mechanical

**From:** "Robert Bowen" <rbowen@glynncounty-ga.gov>  
**To:** "Gary Reynolds" <Gary.Reynolds@dnr.state.ga.us>  
**Date:** 5/3/2011 10:52 AM  
**Subject:** FW: GLYNN COUNTY MEDIA ALERT: Public Notification of Sewer Spill

Respectfully,

Robert W. Bowen, P.E.

Engineer III

Glynn County Engineering Services

1725 Reynolds St. Suite 240

Brunswick, GA 31520

Telephone (912) 554-7244

Fax (912) 267-7818

Cell (912) 270-7600

E-mail: rbowen@glynncounty-ga.gov

From: Candice Temple  
Sent: Tuesday, May 03, 2011 10:51 AM  
Subject: GLYNN COUNTY MEDIA ALERT: Public Notification of Sewer Spill

MEDIA ALERT: The Glynn County Department of Engineering Services has announced that on Sunday, May 1, 2011, a minor sewer spill of approximately 100 gallons into a storm drain occurred near the intersection of Alabama and Forest Park Roads in St. Simons Island, GA. This incident was caused by mechanical failure at a sewer lift station. All appropriate action was taken per the Georgia Environmental Protection Department standards and this event does not pose a health issue to citizens of Glynn County.

For more information, please contact Robert Bowen, Engineer III, at 912-554-7244.

Candice D. Temple

Public Information Officer

Glynn County Board of Commissioners

701 G Street

Brunswick, GA 31525

912.554.7412 (office)

912.577.4242 (media calls)

912.554.7596 (fax)

safe:morris

Please consider the environment before printing this email. Century Gothic font used to reduce the amount of toner needed for printing.

<<http://www.facebook.com/pages/Glynn-County-Board-of-Commissioners/131203025771>>

**From:** "Robert Bowen" <rbowen@glynncounty-ga.gov>  
**To:** "Paul Andrews" <pandrews@glynncounty-ga.gov>, "Gary Reynolds" <Gary.Reyn...>  
**CC:** "John Hunkele Jr." <JHunkele@bgjwsc.org>, "Ray Tarker" <RTarker@bgjwsc.o...>  
**Date:** 5/2/2011 4:13 PM  
**Subject:** LS 2019 Sewage Spill

Incident Report:

Last night, the sewage pump motor at LS 2022 failed. A resident called United Water around 4pm and informed them that sewage was in the street. The SCADA system was deactivated and the sewage backed up in the system. This sewage spilled out of a manhole at the corner of Forest Park and Alabama St. This is a low flow lift station and the spill was stopped around 6pm. We estimate that approximately 100-200 gals of sewage was spilled into the drainage ditch. The contractor is also discharging a large quantity of well point water to this same drainage ditch. United Water worked diligently to clean the spill and replace the failed pump.

Incident Response:

At 9:01 this morning, Gary Reynolds was informed of the spill and he has sent me information how to report this occurrence and clean up properly. I am working to follow the mandated steps. I will inform the media tomorrow according to Mr. Reynolds instructions.

Prevention of Future Incidents:

Additionally, I am working with the contractor Popco to prevent any further occurrences of this nature. Terry Rentz, Popco Superintendent, has purchased two OmniSite SCADA packages and has obtained threaded adapters for Flygt pumps purchased as part of these rehabs. For the remaining lift station rehabs, JWSC pumps will be turned over to United Water and the new pumps will be used for by-pass pumping. Additionally, Popco will be stationing an on-duty workman, supplied with a service truck, locally. This workman will be able to respond to any future sewage pumping issues without reliance upon and abuse of United Water resources. I will send out this workman's contact information as soon as Popco designates this person.

I appreciate United Water's swift response and tireless efforts to contain this situation.

Respectfully,

Robert W. Bowen, P.E.

Engineer III

Glynn County Engineering Services

1725 Reynolds St. Suite 240

Brunswick, GA 31520

Telephone (912) 554-7244

Fax (912) 267-7818

Cell (912) 270-7600

E-mail: [rbowen@glynncounty-ga.gov](mailto:rbowen@glynncounty-ga.gov)

**From:** "Robert Bowen" <rbowen@glynncounty-ga.gov>  
**To:** <wsjenkins@dhr.state.ga.us>  
**CC:** <dholmes@dhr.state.ga.us>, "Gary Reynolds" <Gary.Reynolds@dnr.state.ga.u...>  
**Date:** 5/2/2011 5:04 PM  
**Subject:** FW: LS 2019 Sewage Spill  
**Attachments:** WQ Spill Guidance document.pdf

Mr. Jenkins,

According to the Spill Reporting Flowchart sent to me by Gary Reynolds, EPD, I am to notify the local health department of this Spill. This email is notice of the incident described in the attached email. I was informed at 10:46 am, by Mr. Reynolds, that this incident was actually a "spill" and according to the flowchart the media will be informed of the incident first thing tomorrow morning. I will be posting the required signage tomorrow.

Date of Spill: May 1, 2011

Location of Spill: corner of Forest Park and Alabama St. - Saint Simons Heights Neighborhood, SSI, Ga

Estimated Volume of discharge: 100 gals.

Name of State water affected: Dunbar Creek (I am still verifying this information...)

Corrective Action: Dilution of Spill with well point water, powdered lime application to grassed area, spill stoppage and remediation actions detailed below.

From: Robert Bowen  
Sent: Monday, May 02, 2011 4:13 PM  
To: Paul Andrews; 'Gary Reynolds'  
Cc: 'John Hunkele Jr.'; 'Ray Tarker'; 'todd.zino@unitedwater.com'; Box, Seth; Bray, Chris; 'Popco'; 'jay@pumpprocess.com'; Beasley, Charlie  
Subject: LS 2019 Sewage Spill  
Importance: High

Incident Report:

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Respectfully,

Robert W. Bowen, P.E.

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